

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002368**Date Inspected:** 13-Dec-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** Office, Lift 2 West, Lift 3 East, Lift 1 East**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Office

Attend to project files and documentation.

Lift 3 East

ZPMC personnel were observed applying finish coat of Interfine 979 to external surfaces of the Wind Vortex plate area during rainy conditions. Caltrans QA Lumley informed ABF Bil Oak and the applied coating was subsequently removed via solvent cleaning.

Lift 2 West

Internal surfaces were being touched up and repaired utilizing air-spray for areas which were discovered to have low Dry Film Thickness (DFT) and repaired with Interzinc 22 undercoat. Also concurrent with this work process minor touch up was performed utilizing Interzinc 52 to edges and bolt holes. This work was being performed due to the utilization of dehumidification units operating outside the contained area of the internal area of the Lift. The ends were blocked off with tarps to control the internal atmospheric conditions and maintain suitable ambient conditions within the Lift.

Lift 1 East

This component was Finish coated and then removed from Blast Shop #4 and subsequently had the drip edge flame cut and removed for Sea Fastener point of contact.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA

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Lumley when achievable. International Protective Coatings technical service representative were available for inspections and consultation.

Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
